

Amendments to the Claims

Claims 1-115 (Cancelled)

116. (New) A powder batch comprising electroluminescent Y_2O_3 phosphor particles, wherein said particles have a weight average particle size of from about 0.1 μm to about 10 μm and have a substantially spherical morphology, wherein at least about 80 weight percent of said particles are not larger than about two times said average particle size.

117. (New) A powder batch as recited in Claim 116, wherein said particles have a weight average particle size of from about 0.3 μm to about 5 μm .

118. (New) A powder batch as recited in Claim 116, wherein said particles comprise a rare earth dopant.

119. (New) A powder batch as recited in Claim 116, wherein said particles comprise Eu as a dopant.

120. (New) A powder batch as recited in Claim 116, wherein at least about 90 weight percent of said particles are not larger than about two times said average particle size.

121. (New) A powder batch as recited in Claim 116, wherein said particles are comprised of crystallites having an average crystallite size of at least about 25 nanometers.

122. (New) A powder batch as recited in Claim 116, wherein the level of impurities in said particles is not greater than about 0.1 atomic percent